

# ILHIE Privacy & Patient Consent Preferences

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- Initial ILHIE Authority policy
  - Meaningful Disclosure
  - Opt-out flag and procedures
- ILHIE Technology
  - Repositories & CCD
  - CCD flow through ILHIE
  - MPI onboarding & PIX transactions
  - Audit trail & SAML assertions
  - Notifications services
  - Public Health Reporting



- Patients have the right to opt-out of ILHIE
  - That is not allow their information to be transferred via ILHIE
- Providers must present patients with their options
  - For the disclosure of their data electronically
  - Information on health information exchange
  - Opportunity to opt-out



- Opt-Out policy is based on all-or-nothing
  - Patient can share all her data via ILHIE or
  - Patient will share no data via ILHIE
  - Currently can't share partial records
- Provider can query/set the flag
  - From EMR via XDS.b
    - Must send an XACML message
  - Via a Web service



- General Opt-Out
  - Flag is set by patient through provider
  - Will allow patients to set flag in future via Web
- Special PHI consideration
  - EMR can filter – life is beautiful
  - EMR can't filter
    - Provider can change default during onboarding or
    - When new patient joins panel
    - Initial flag can override current flag ***except if***
    - ***Patient has made an explicit request***

# Elements of ILHIE

MPI

- Master Patient Index
- Cross reference
- Used to identify patients

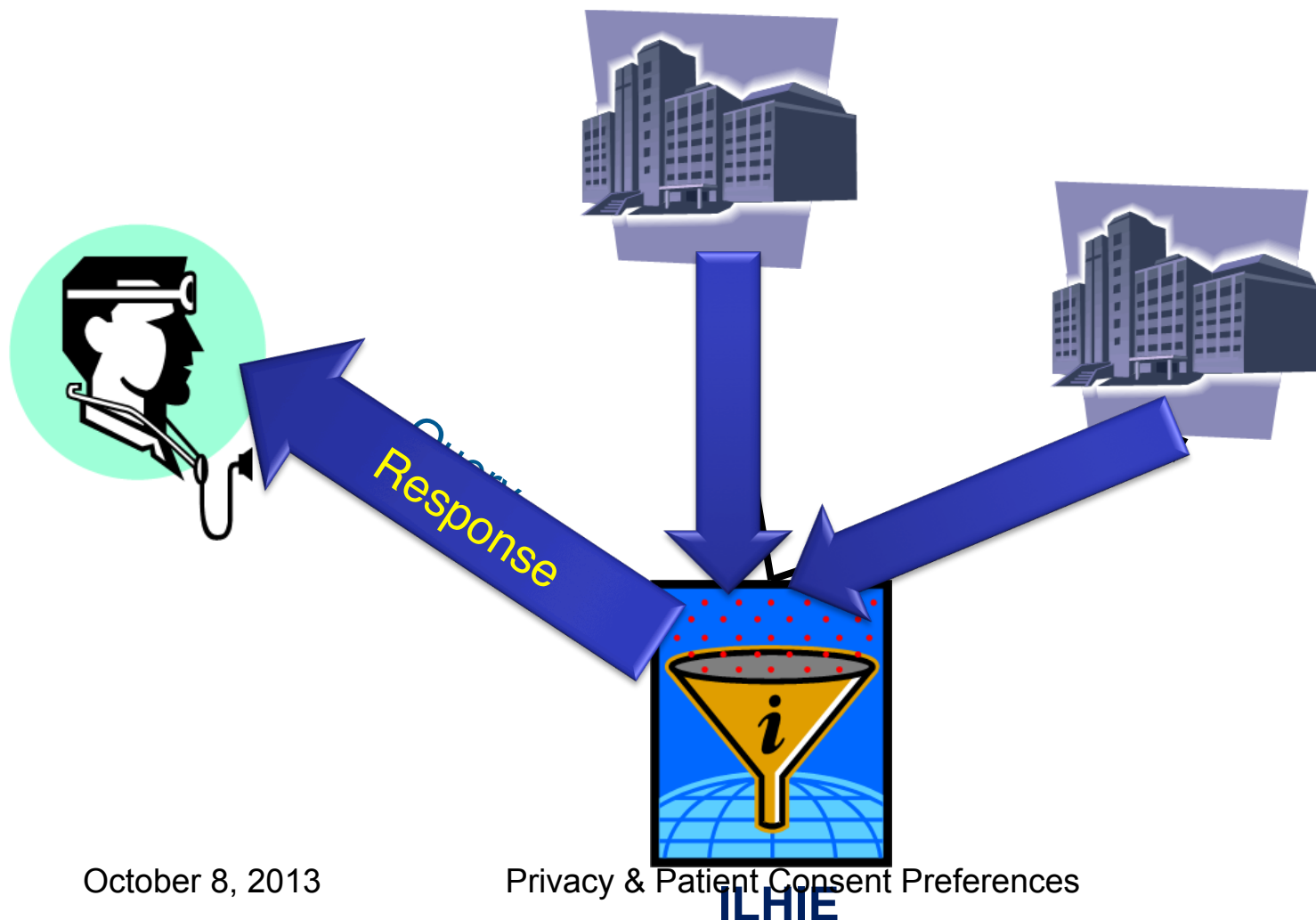
HPD

- Provider Directory
- Used to identify providers
- Can be used for Direct addressing

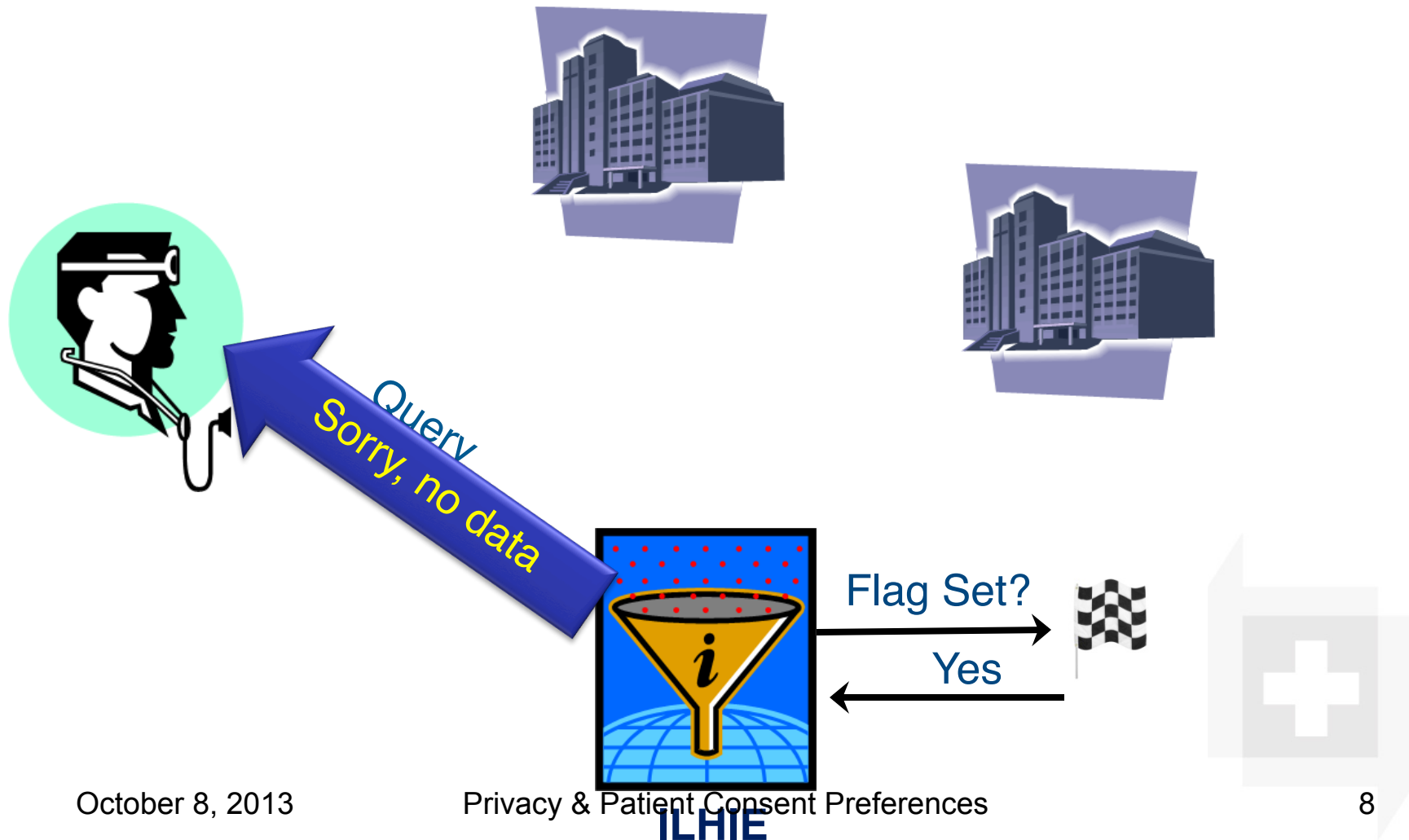
RLS

- Record Locator Service
- Discovers records for a patient
- Returns aggregate record to provider

# Flow of Clinical Records through ILHIE



# Opt-Out flag action





# CCD (C32) Structure

- Electronic Medical Records are segmented
- C32 format has 17 sections:

<b>Advanced Directive</b>	<b>Allergy / Drug Sensitivity</b>	<b>Comment</b>
<b>Condition</b>	<b>Encounter</b>	<b>Healthcare Provider</b>
<b>Immunization</b>	<b>Information Source</b>	<b>Language Spoken</b>
<b>Medication</b>	<b>Person Information</b>	<b>Plan of Care</b>
<b>Pregnancy</b>	<b>Procedure</b>	<b>Support</b>
<b>Vital Signs</b>	<b>Results</b>	



- Batch upload during original onboarding
  - Include RIN if it exists/known
  - May default Opt-Out flag if desired
- Use PIX (IHE standard) protocol for
  - New patients
    - Adds new record in MPI if necessary
    - Adds cross reference to facility & MRN
  - Existing patients
    - Modifies demographic data and/or
    - Modifies cross reference data



- All transactions are audited
- SAML is a standard Web protocol
  - Used to pass on user identifier
  - Allows target application to authenticate the user
  - User identifier is placed in the audit trail
- Temporary fix for those that can't support SAML
  - Must be able to match ILHIE audit with user's audit trail
  - All connected entities must support SAML by 6/30/2014

# Notifications services

- Notifications are by subscription
  - A provider or organization creates a notification project
  - Project gets data from a specific data feed
  - The project has a unique id
  - The project id is listed in the MPI record of each patient in the project
- When data from the feed comes to ILHIE
  - ILHIE checks to see if the data is for a patient in project
  - If so, record is forwarded to subscriber
  - Otherwise discarded
- Subscriber maintains project population in MPI

- IDPH has established the Public Health Node (PHN)
- It collects
  - Reportable conditions
  - Immunizations
  - Syndromic Surveillance
- Providers must submit these reports via ILHIE
  - Dedicated connection (VPN)
  - ILHIE Direct (secure email)
  - Secure file transfer (sftp)



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